p1103: Expand Product of Linear Binomials (v27)

Question 1

Expand the product of linear binomials. $(x+5)(x-6)$

$$x^2 - 6x + 5x - 30$$

$$x^2 - x - 30$$

Question 2

Expand the product of linear binomials. $(x-8)(x-1)$

$$x^2 - x - 8x + 8$$

$$x^2 - 9x + 8$$

Question 3

Expand the product of linear binomials. $(x-1)(x-1)$

$$x^2 - x - x + 1$$

$$x^2 - 2x + 1$$

Question 4

Expand the product of linear binomials. $(3x-8)(x+1)$

$$3x^2 + 3x - 8x - 8$$

$$3x^2 - 5x - 8$$

Question 5

Expand the product of linear binomials. $(-3x-1)(8x+1)$

$$-24x^2 - 3x - 8x - 1$$

$$-24x^2 - 11x - 1$$

Question 6

Expand the product of linear binomials. $(x + 9)(x - 4)$

$$x^2 - 4x + 9x - 36$$

$$x^2 + 5x - 36$$

Question 7

Expand the product of linear binomials. $(-4x - 9)(2x - 7)$

$$-8x^2 + 28x - 18x + 63$$

$$-8x^2 + 10x + 63$$

Question 8

Expand the product of linear binomials. $(x - 6)(x + 1)$

$$x^2 + x - 6x - 6$$

$$x^2 - 5x - 6$$

Question 9

Expand the product of linear binomials. $(-4x - 4)(-6x - 3)$

$$24x^2 + 12x + 24x + 12$$

$$24x^2 + 36x + 12$$

Question 10

Expand the product of linear binomials. $(3x + 5)(3x - 2)$

$$9x^2 - 6x + 15x - 10$$

$$9x^2 + 9x - 10$$